

FIG. 1

FIG. 1 is a block diagram of a control system. The system includes a data latch (33) connected to a decoder (34), which is connected to an analog switch (35). The output of the analog switch is connected to an output circuit (36). The output of the output circuit is connected to a node that branches into two paths: one through switch SW1 to a node labeled Sn, and another through switch SW2 to a node labeled Vpo. A feedback path originates from the Sn node, passes through a latch (11), a comparator (12), and a switch controller (13). The switch controller (13) provides control signals to both SW1 and SW2. Additionally, the output of the data latch (33) is connected to the input of the comparator (12). The output of the comparator (12) is connected to the input of the switch controller (13). The output of the switch controller (13) is also connected to a terminal labeled OSP.

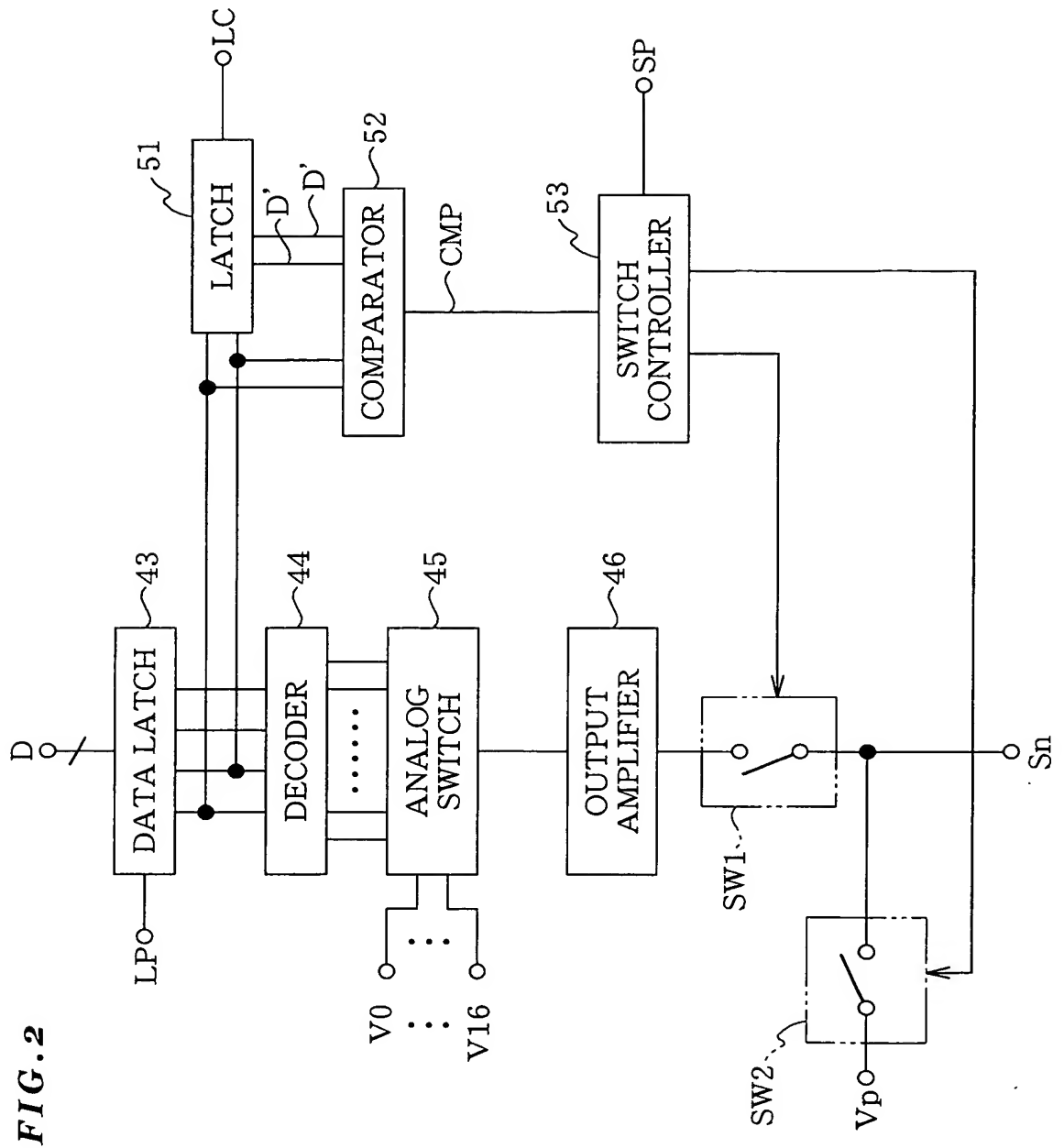
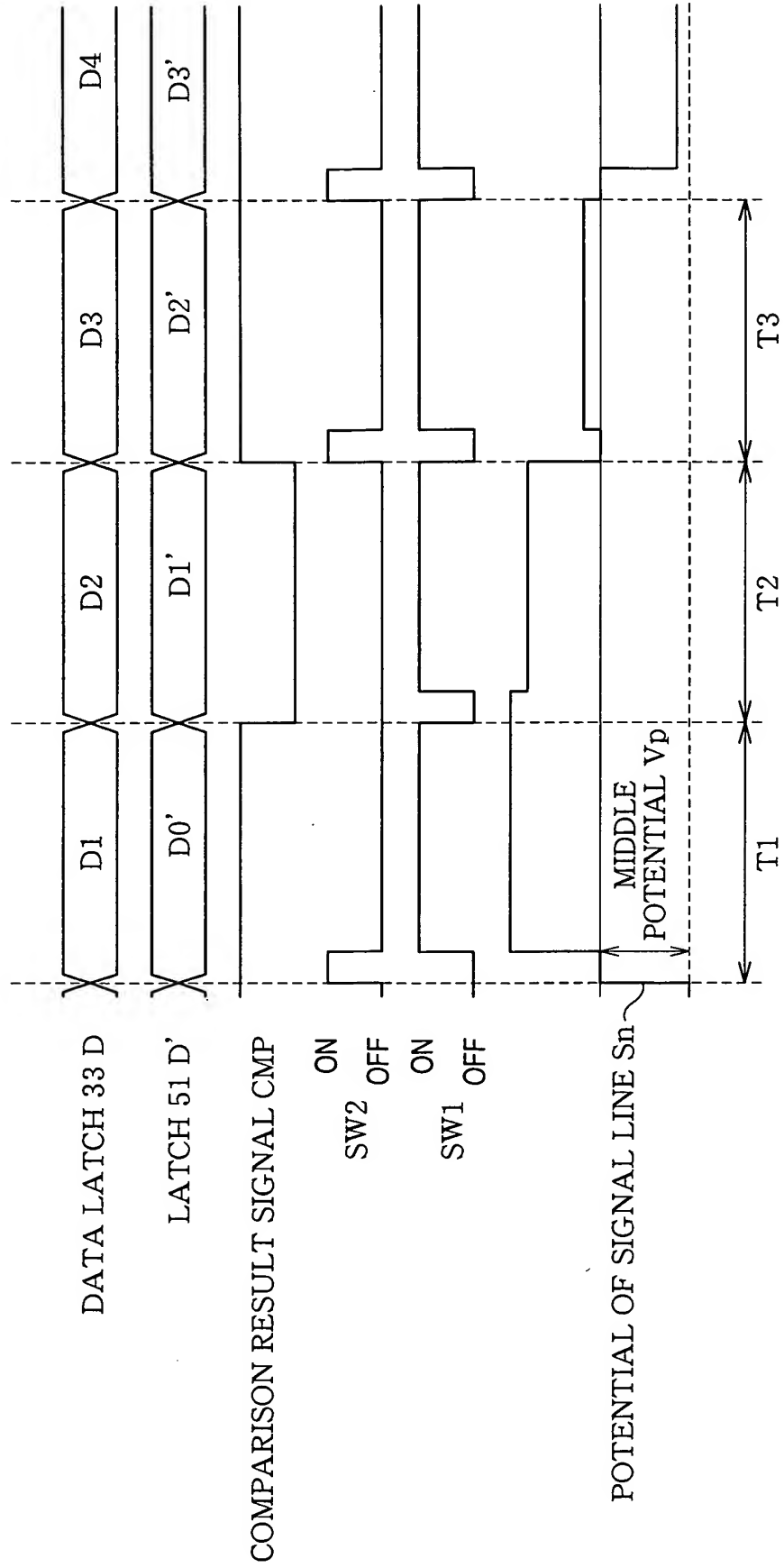


FIG.3



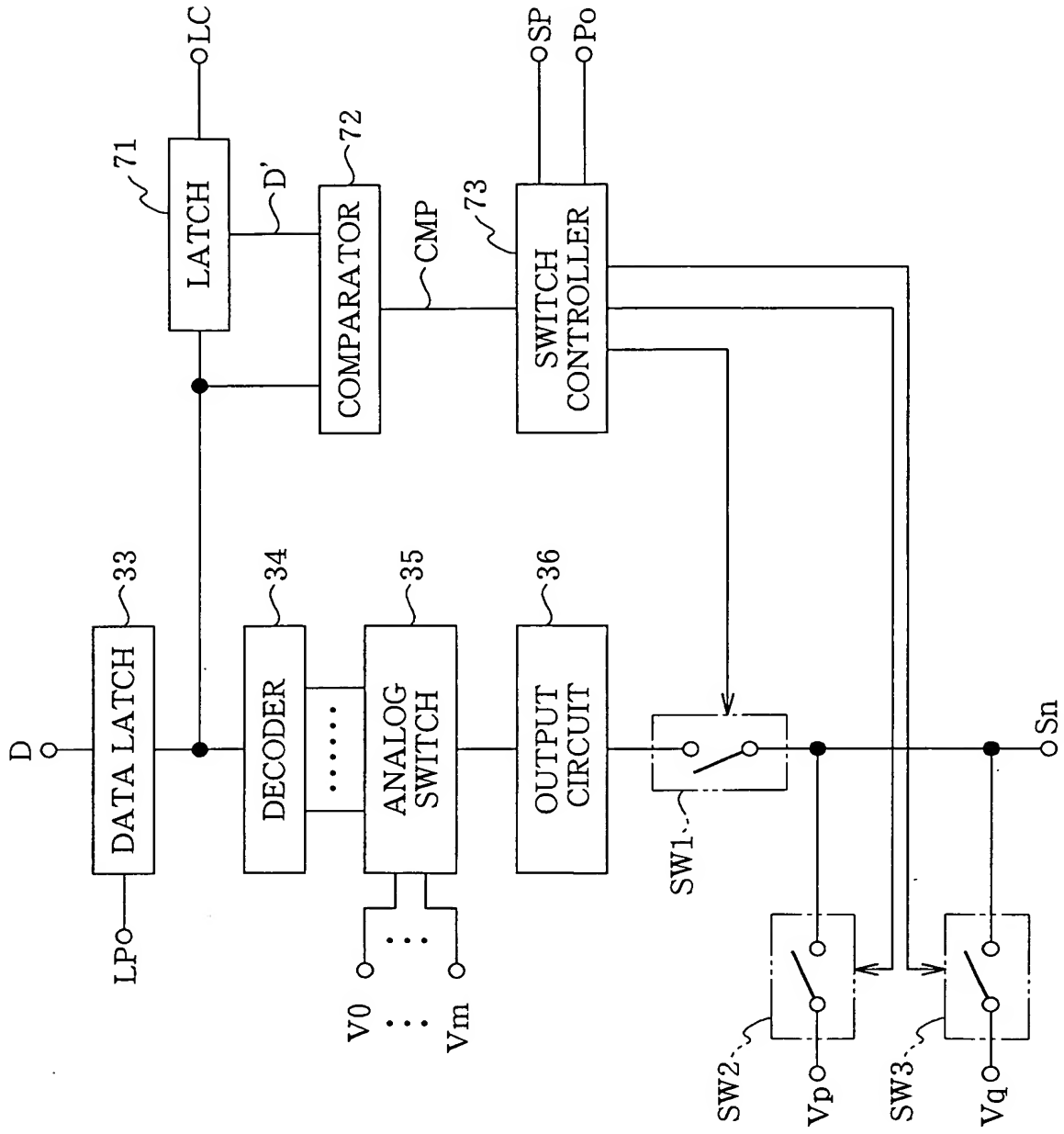
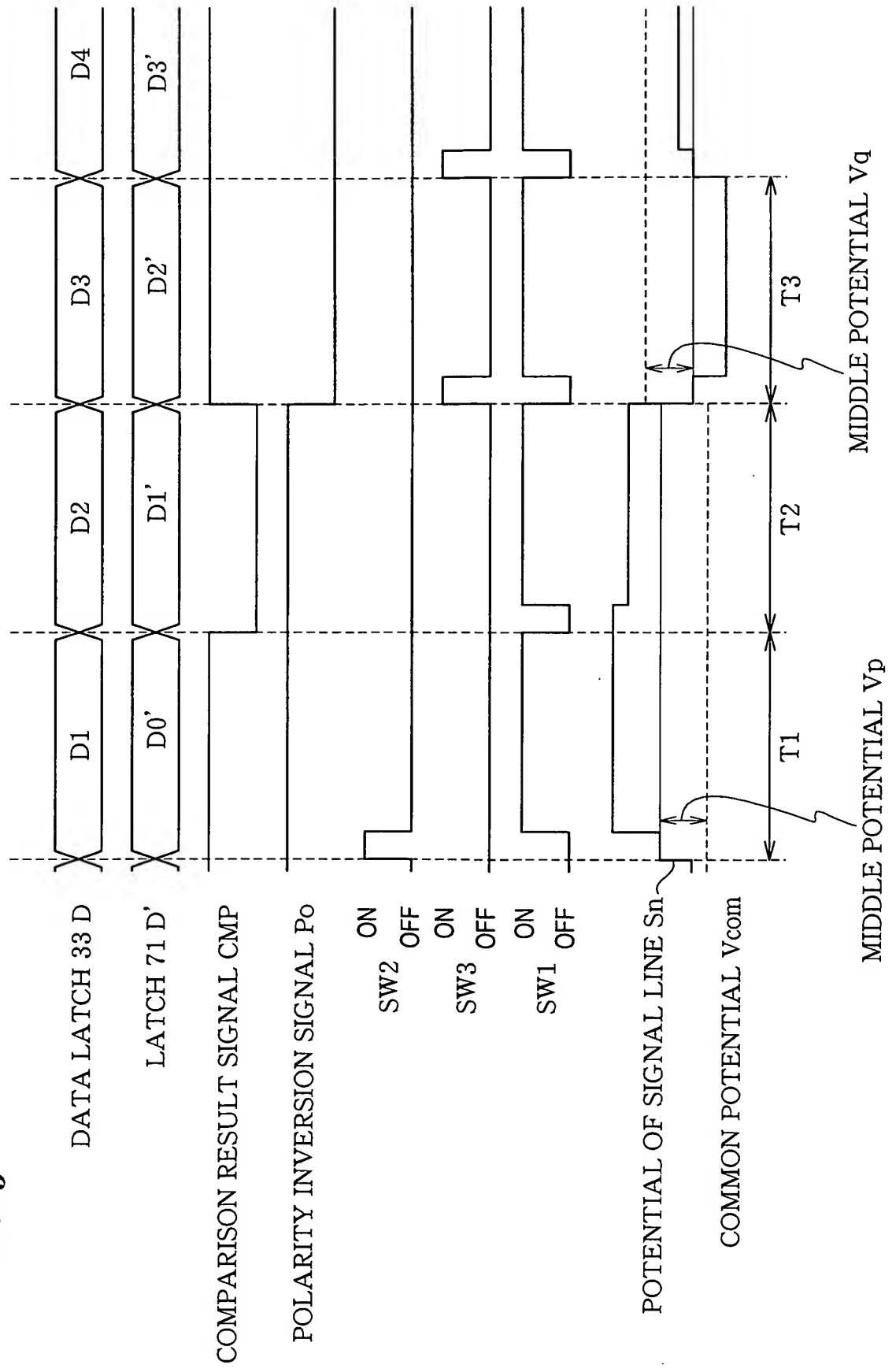


FIG. 4

FIG. 5



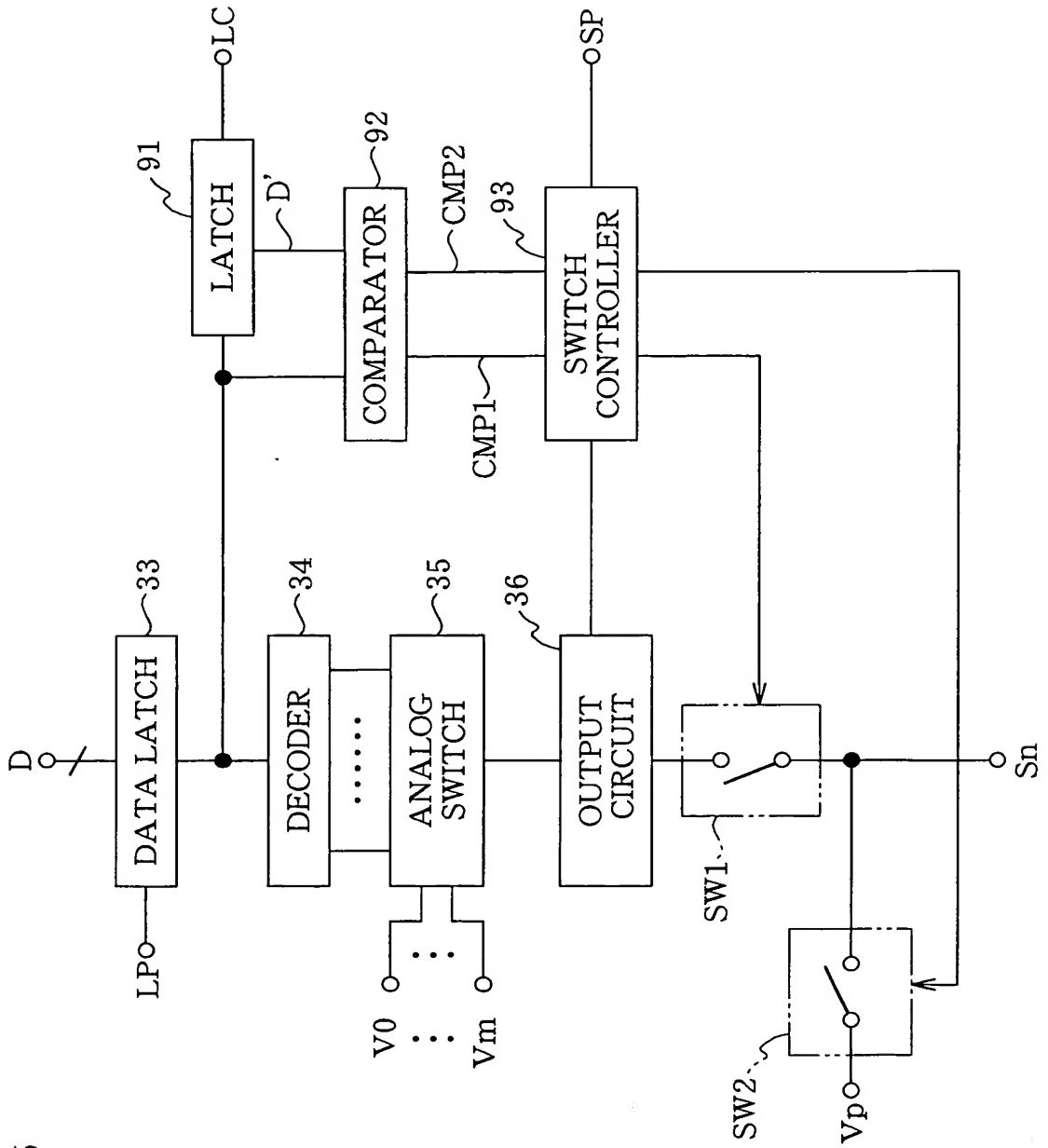


FIG. 6

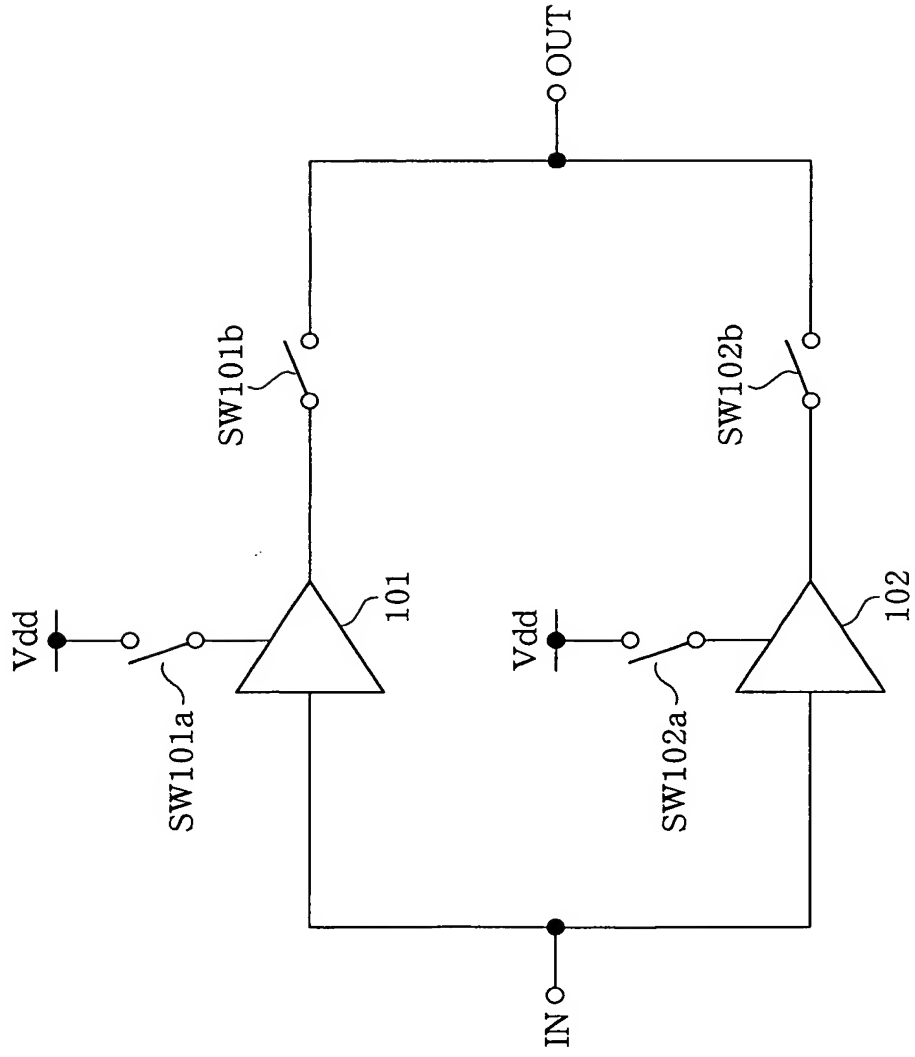
**FIG. 7**

FIG. 8

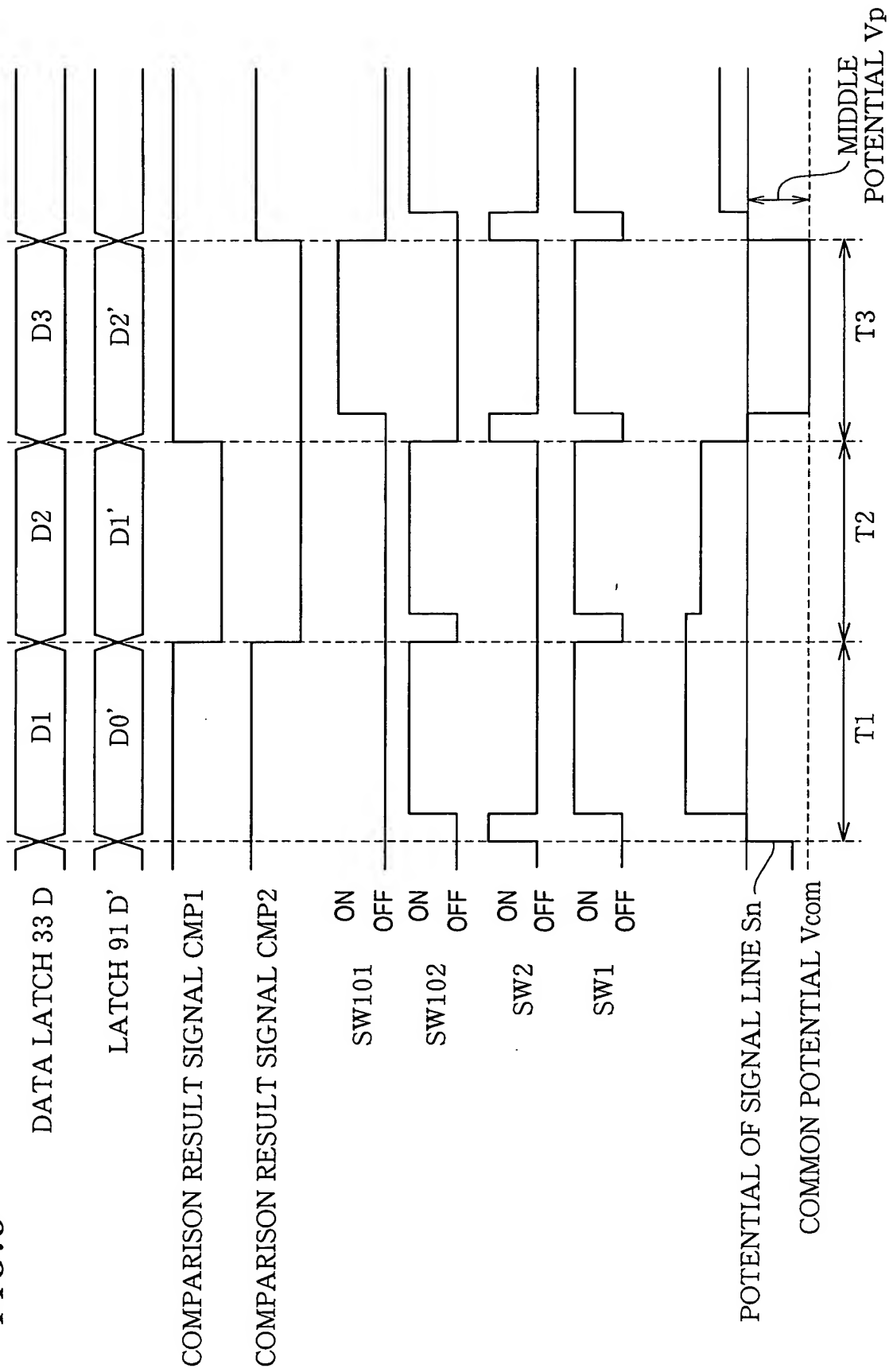


FIG. 9

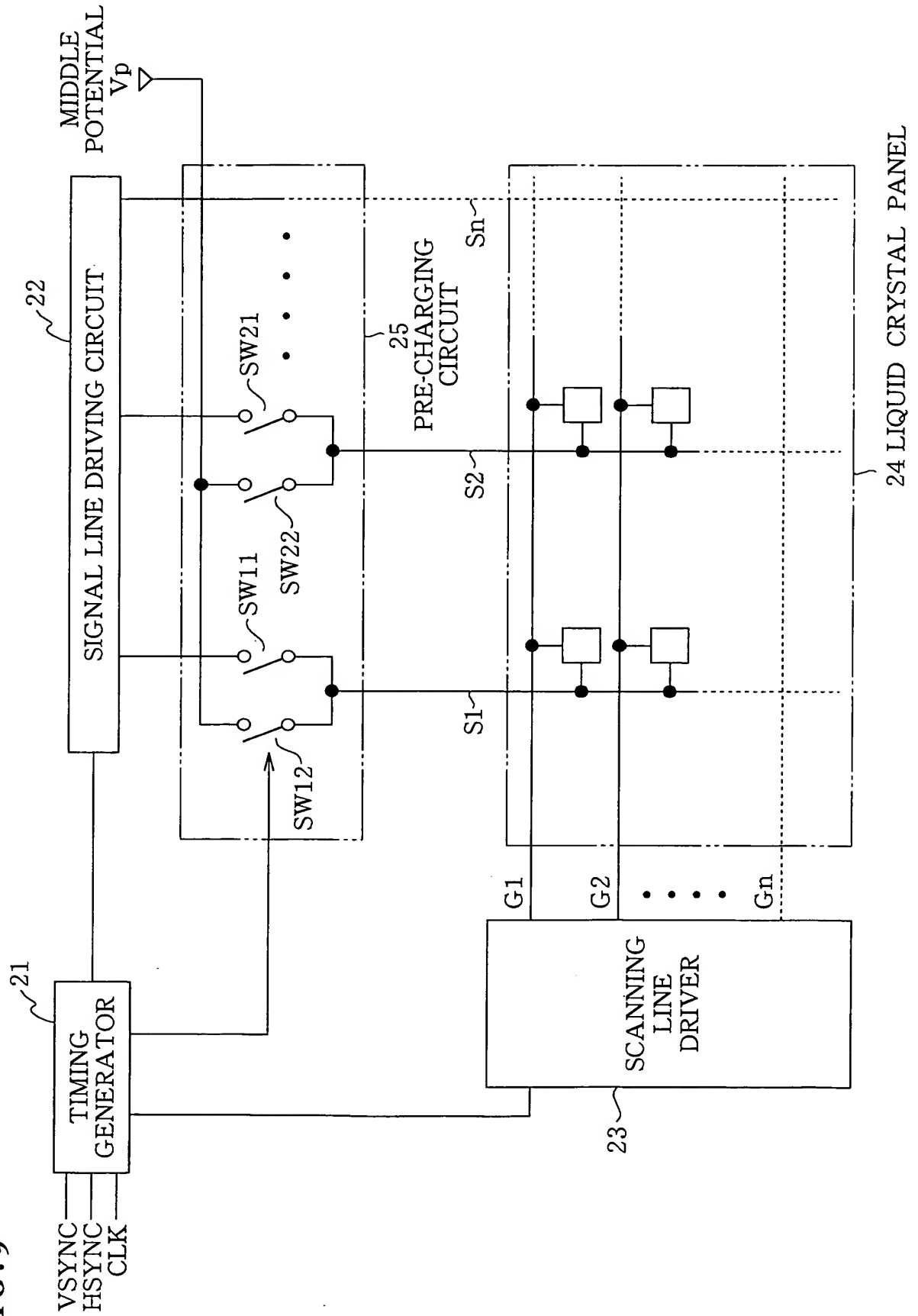


FIG.10

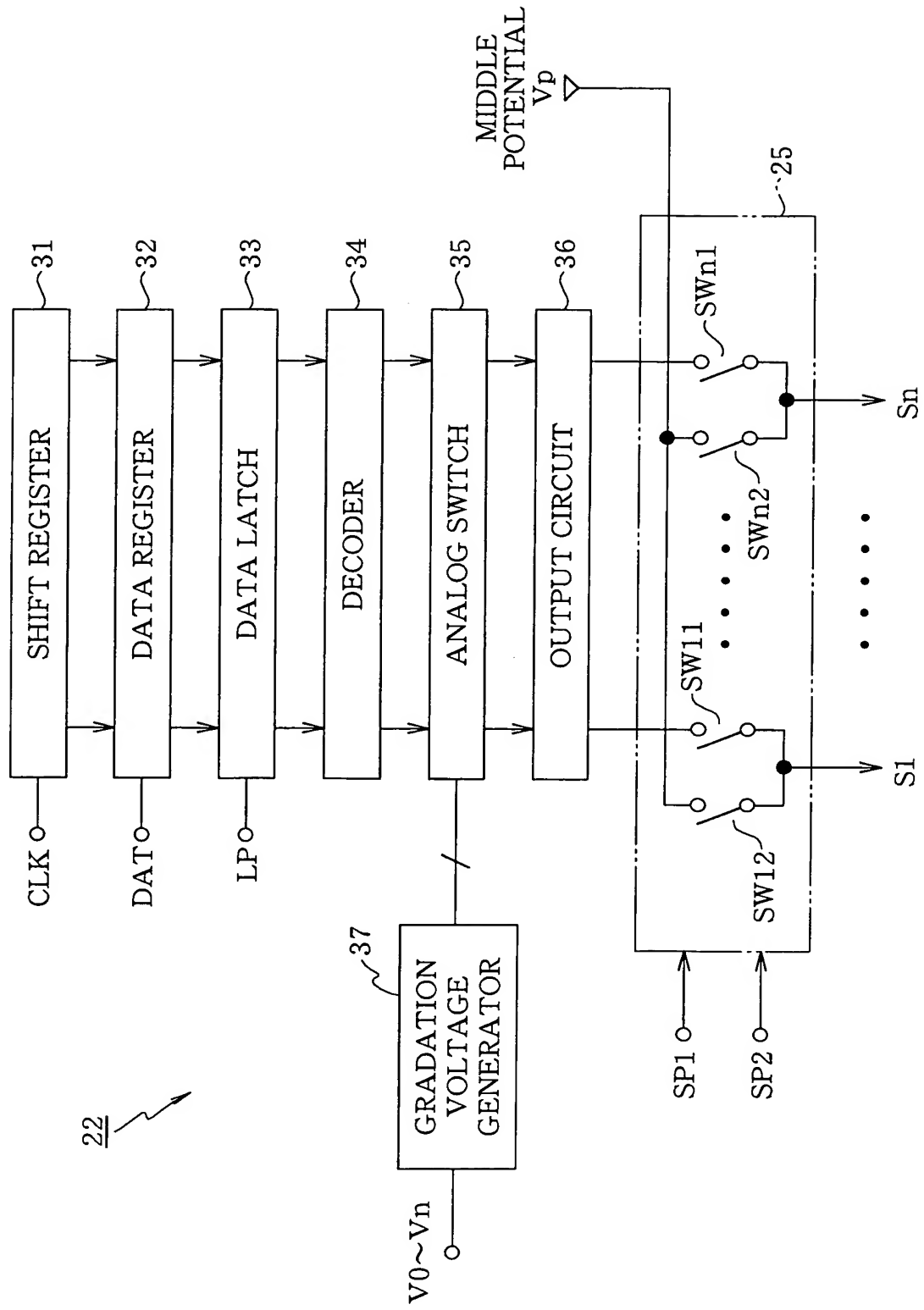


FIG. 11

